

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (amended) A recycling method ~~comprising making an identification display showing that a product to be recycled satisfies a product standard from health and safety, an easily recyclable product standard, and a product standard based on an environmental load at a stage for producing the product and on an environmental load at a recycling stage, integrally appending said identification display to the product to be recycled, and managing the recyclable product circulated in a market with said identification display~~ for recycling a product made partially or fully from a polyester, wherein the product has an identification display appended integrally to the product so as to direct recycling of the product, comprising the following steps (a)- (d):

(a) a step in which an information communication terminal is authenticated by a server computer so as to access a database through a telecommunication network, wherein the database records information necessary for recycling the product;

(b) a step in which the authenticated information communication terminal equipped with an input means inputs product information retrieved from the identification display to the server computer, wherein the identification display shows that the product to be recycled satisfies a product standard for health and safety, a recyclable product standard, and a product standard based on an environmental load at a stage for producing the product and on an environmental load at a recycling stage;

(c) a step in which the server computer identifies the product by searching the database based on the input product information, and the server computer reads management information

of the identified product from the database related to recycling, and further the server computer enables the information communication terminal to read the database through the telecommunication network in accordance with a privilege of the information communication terminal, and if necessary, approves writing said recycling information required in a next stage to the database; and

(d) a step in which each information communication terminal and the server computer shares the management information of the identification displays appended to the recycled products, and supplies the recyclable used products for recycling based on the shared management information.

2. (amended) The recycling method according to Claim 1, wherein the recyclable product standard of said product is judged by evaluating the recyclable property of each of the parts constituting said product, recording the evaluated recyclable property to form the database, and referring to said database of constituent parts of said product.

3. (original) The recycling method according to Claim 2, wherein the recyclable product standard of said product is judged by setting management standards related to the recycling of the parts constituting said product, and referring to said database from a part constitution satisfying said management standards.

4. (original) The recycling method according to Claim 2, wherein a content of a recycling-inhibiting substance for inhibiting the recycling for each of said parts is specified and then inputted into said database.

5. (original) The recycling method according to Claim 2, wherein said database is freely connected through a telecommunication network.

6. (amended) The recycling method according to Claim 2, wherein said product is a polyester product, has a composition satisfying the following expression (1):

$$(\alpha_1 + \beta_1 + \gamma_1 + \dots + \omega_1) / X * 100 \geq 40 \quad (1)$$

(wherein, X is the weight of the product, $\alpha_1, \beta_1, \gamma_1, \dots, \omega_1$ are each a polyester content in each part).

7. (amended) The recycling method according to Claim 2, wherein said product is a polyester product, and further wherein the composition of each part constituting said product is not less than 40 percent by weight of a polyalkylene terephthalate composition.

8. (original) The recycling method according to Claim 1, wherein the recyclable product distributed in the market is managed by giving management information related to the recycling, to said identification display, visually and/or electronically reading said management information, and, if necessary, adding new management information.

9. (original) The recycling method according to Claim 1, wherein a prescribed amount of refund is paid back to a consumer, when the management information contained in said identification display appended to the product used by the consumer is read and the product is consequently found to fit to prescribed standards.

10. (original) The recycling method according to Claim 1, wherein members including at least product producers, product sellers, members for collecting the used products, members for transporting the used products, and intermediate raw material producers, as constituent members, who jointly operate the system for recycling the products are connected to each other through a telecommunication network to share the management information of said identification displays appended to the recycled products.

11. (original) The recycling method according to Claim 10, wherein a server capable of reading and writing data for managing the products to be recycled is disposed on said telecommunication network to give in accessible, readable, and writable states necessary information related to a product specified by said display to a member accessed to a home page provided by said server, or, if necessary, to a non-member, in response to an authority given to each member or non-member.

12. (original) The recycling method according to Claim 11, wherein whether a brought used product can be recycled or not is evaluated by at least one evaluation means including a visual inspection using the identification display, a non-destructive inspection and/or a chemical analysis inspection.

13. (original) The recycling method according to Claim 12, wherein the receiving evaluation of the used product brought in by a non-member is approved by an information network manager

integrally managing the operation of the recycling system.

14. (amended) The recycling method according to Claim 1, characterized in that the the following requirements (a) to ~~(e)~~ (e) are all satisfied,

(a) the product to be recycled is a polyester product;

(b) the collected product is evaluated by said collecting member to collect the passed product;

(c) a recommended recycling method is selected on the result obtained by the evaluation, and a new identification display is appended;

(d) the transportation destination of the collected product is confirmed with the telecommunication network, and the product is transported to the intermediate raw material producer; and,

(e) the intermediate raw material products are produced and recycled.

15. (original) The recycling method according to Claim 1, wherein the product to be recycled is a polyester product, and further wherein the composition of each part constituting said product is a composition containing a polyalkylene terephthalate in an amount of not less than 40 percent by weight.

16. (original) The recycling method according to Claim 1, wherein the product collected for the recycling is supplied to a material recycle and/or a chemical recycle.

17. (deleted).

18. (deleted).

19. (deleted).